

Document 1 of 1 | Page 1 of 1

- Draft
- Pending
- Active
- L1: (66582) (FMCW or CWFM or FM-CW or CW-FM or ((frequency adj (modulated or unmodulated) and (radio frequency)) or (radar)))
- L2: (86747) radar
- L3: (6353) 1 and 2
- L4: (3009598) (((collision or collide or colliding) state (avoid or avoiding or avoidance) or (warning or warning message) or (warning message or warning message)))
- L5: (1665) 3 and 4
- L6: (761600) (overhead or overbridge or bridge)
- L7: (1419409) (height)
- L8: (65781) (obstacle or obstruction or danger or dangerous)
- L9: (17205) 6 and 7 and 8
- L10: (101) 5 and 9
- L11: (55047) (VCO or (voltage adj controlled adj oscillator))
- L12: (22) 10 and 11
- L13: (1739) ((342-70-72) or (342-123) or (342-455)).CC13
- L14: (120) 6 and 13
- L15: (11339) ((342-24-72) or (342-123) or (342-445)).CC15
- L16: (1054) 15 and @adj<=10030121"

 Failed Saved Favorites Tagged (10) UDC Queue Trash

Search | New | Home | Log In | Help

Log In | ISPF/400 | ISPF/417 | ISPF/420

Logout | Help | About EAST

342-70-72

342-123

342-455

Search | New | Home | Log In | Help | Log Out | Recent | Recent 24 Hours | Recent 7 Days

	Search Term	Total	CSPAT	US-PGP	EPO	IPO	Derivat
1	342-123	1204					
2	342-455	479					
3	342-70	879					
4	342-71	379					
5	342-72	313					
6	(342-123, 342-7, 1739)	1739					

No text available to display

Document Details	Page 1	Title	Investor	Current OIC

Search | New | Home | Log In | Help | Log Out | Recent | Recent 24 Hours | Recent 7 Days

Search | New | Home | Log In | Help | Log Out | Recent | Recent 24 Hours | Recent 7 Days

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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	66582	(FMCW or CWFM or FM-CW or CW-FM or ((frequency adj (modulated or modulating or modulation)) or frequency-modulated))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/13 07:55
L2	86747	radar	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/13 07:56
L3	6353	1 and 2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/13 07:56
L4	3009598	((collision or collide or colliding) same (avoid or avoiding or avoidance)) or CAS	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/13 07:56
L5	1665	3 and 4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/13 07:57
L6	761606	(overhead or overbridge or bridge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/13 07:57
L7	1419409	(height)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/13 07:57
L8	657871	(obstacle or obstruction or danger or dangerous)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/13 07:57

L9	17205	6 and 7 and 8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/13 07:57
L10	101	5 and 9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/13 07:58
L11	55047	(VCO or (voltage adj controlled adj oscillator))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/13 08:01
L12	22	10 and 11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/13 08:06
L13	1739	((342/70-72) or (342/123) or (342/455)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/13 08:07
L14	120	6 and 13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/13 08:07
L15	1739	((342/70-72) or (342/123) or (342/455)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/13 08:33
L16	1054	15 and @ad<="20030121"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/13 08:33

SEARCH NOTES FOR EAST AND IEEE AND INSPEC AND IP.COM

SERIAL NUMBER 10762088

EAST SEARCH

EAST: search history attached

IEEE SEARCH

Recent Search Queries	Results
#1 (((fmcw or cwfmu or fm-cw or cw-fm or ((frequency and modulated or modulating or modulation)) or frequency-modulated) and radar)<in>metadata)	935
#2 (((fmcw or cwfmu or fm-cw or cw-fm or ((frequency and modulated or modulating or modulation)) or frequency-modulated) and radar)<in>metadata)	935
#3 (((((fmcw or cwfmu or fm-cw or cw-fm or ((frequency and modulated or modulating or modulation)) or frequency-modulated) and radar)<in>metadata)<AND>((fmcw or cwfmu or fm-cw or cw-fm or ((frequency and (modulated or modulating or modulation)) or frequency-modulated)) and radar and (((collision or collide or colliding) and (avoid or avoiding or avoidance)) or cas)<in>metadata))	12

1. Vehicle collision warning and avoidance system using real-time FFT

Flikkema, P.G.; Johnson, S.G.
Vehicular Technology Conference, 1996. 'Mobile Technology for the Human Race'., IEEE 46th
Volume 3, 28 Apr-1 May 1996 Page(s):1820 - 1824 vol.3

2. Homodyne FMCW radar range resolution effects with sinusoidal nonlinearities in the frequency sweep

Piper, S.O.
Radar Conference, 1995., Record of the IEEE 1995 International
8-11 May 1995 Page(s):563 - 567

3. Monopulse Doppler radar for vehicle applications

Woll, J.D.
Intelligent Vehicles '95 Symposium., Proceedings of the
25-26 Sep 1995 Page(s):42 - 47

4. An FMCW radar sensor for collision avoidance

Richardson, D.
Intelligent Transportation System, 1997. ITSC 97. IEEE Conference on
9-12 Nov 1997 Page(s):427 - 432

5. IEE Colloquium on Automotive Radar and Navigation Techniques (Ref. No.1998/230)

Automotive Radar and Navigation Techniques (Ref. No. 1998/230), IEE Colloquium on
9 Feb 1998

6. 77 GHz MMIC T/R module for diplex radar application in collision avoidance radar (CAR)

Mondal, J.; Wong, K.; Richardson, D.; Vu, K.; Peterson, K.; Dietz, G.; Haubenstricker, R.; Calanca, N.; Gluck, L.; Moghe, S.
Gallium Arsenide Integrated Circuit (GaAs IC) Symposium, 1998. Technical Digest

1998., 20th Annual
1-4 Nov 1998 Page(s):181 - 184

7. A front-end of FMCW anticollision radar

Jing Chunguang; Yang Xiaobo
Microwave and Millimeter Wave Technology, 2000, 2nd International Conference on.
ICMMT 2000
2000 Page(s):568 - 571

8. Dual-Mode Automobile Collision Avoidance RADAR

Kaplan, G.S.; Sterzer, F.
Microwave Symposium Digest, MTT-S International
Volume 75, Issue 1, May 1975 Page(s): 335 - 337

9. Integrated object and road border tracking using 77 GHz automotive radars

Polychronopoulos, A.; Arditis, A.; Floudas, N.; Lind, H.
Radar, Sonar and Navigation, IEE Proceedings -
Volume 151, Issue 6, 10 Dec. 2004 Page(s): 375 - 381

10. An automotive radar network based on 77 GHz FMCW sensors

Folster, F.; Rohling, H.; Lubbert, U.
Radar Conference, 2005 IEEE International
9-12 May 2005 Page(s): 871 - 876

INSPEC SEARCH

Search history:

No.	Database	Search term	Info added since	Results	
1	INZZ	(FMCW OR CWFM OR FM-CW OR CW-FM OR frequency AND (modulated OR modulating OR modulation) OR frequency- modulated) AND radar AND ((collision OR collide OR colliding) SAME (avoid OR avoiding OR avoidance) OR CAS)	unrestricted	43	

INSPEC - 1969 to date (INZZ)

Title

Radar reflects safer highways.

Author(s)

Marsh-D.

Source

EDN (US Edition)(USA), vol.48, no.9, p.51-60, 24 April 2003. , Published: Cahners Publishing.

COPYRIGHT BY Inst. of Electrical Engineers, Stevenage, UK

INSPEC - 1969 to date (INZZ)

Title

Application of time-frequency analysis for radar signal processing in millimeter-wave collision prevention radar system.

Author(s)

Jin-Chang-ming; Xu-Tao; Sun-Xiao-wei; Xia-Guan-qun; Sheng-Huai-mao; Li-Yu-fang.

Source

Acta-Electronica-Sinica (China), vol.30, no.9, p.1413-16, Sept. 2002. , Published: Chinese Inst. Electron.

COPYRIGHT BY Inst. of Electrical Engineers, Stevenage, UK

INSPEC - 1969 to date (INZZ)

Title

An FMCW radar sensor for collision avoidance.

Author(s)

Richardson-D.

Source

Proceedings of Conference on Intelligent Transportation Systems, Boston, MA, USA, 9-12 Nov.
1997.

In: p.427-32, 1997.

IP.COM SEARCH

Search terms:

(FMCW or CWFM or FM-CW or CW-FM or ((frequency and (modulated or modulating or modulation)) or frequency-modulated)) and radar and (((collision or collide or colliding) same (avoid or avoiding or avoidance)) or CAS)

Result # 1 Relevance: 

[Low probability of intercept radar using atmospheric loss](#)

12-Sep-2000

IPCOM000001102D

English (United States)

A low probability of intercept radar apparatus and technique involving operation at the lower water vapor absorption resonance frequency of 22.2 GHz wherein the radar beam is shaped such that it is restricted to low altitude and short range coverage. The system is ...